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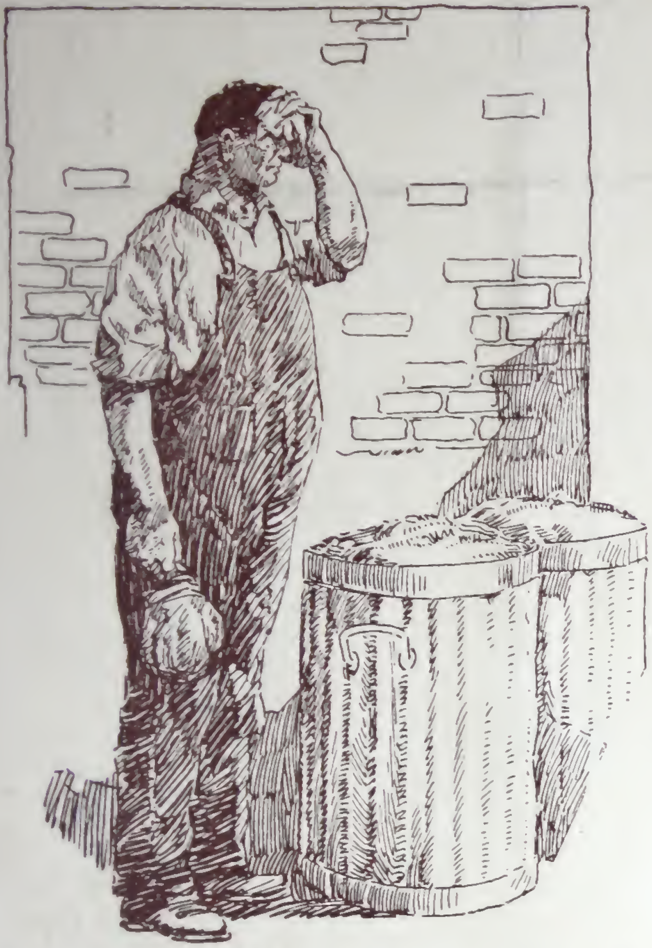
Is Your Janitor Overworked?

ash Hoists



Do your janitors complain about the hard work of handling ashes?

Are you faced with the necessity of installing an expensive electric hoist?

Would you like to save part of the valuable space usually required by ash-hoists?

Have you been forced to cut down building and equipment costs?

If so, you will naturally select a Morris ash hoist for your next building——Because:

Morris ash hoists are the easiest to operate.

Morris ash hoists (hand-operated) handle with ease a volume of ashes far beyond the capacity of any other hand equipment.

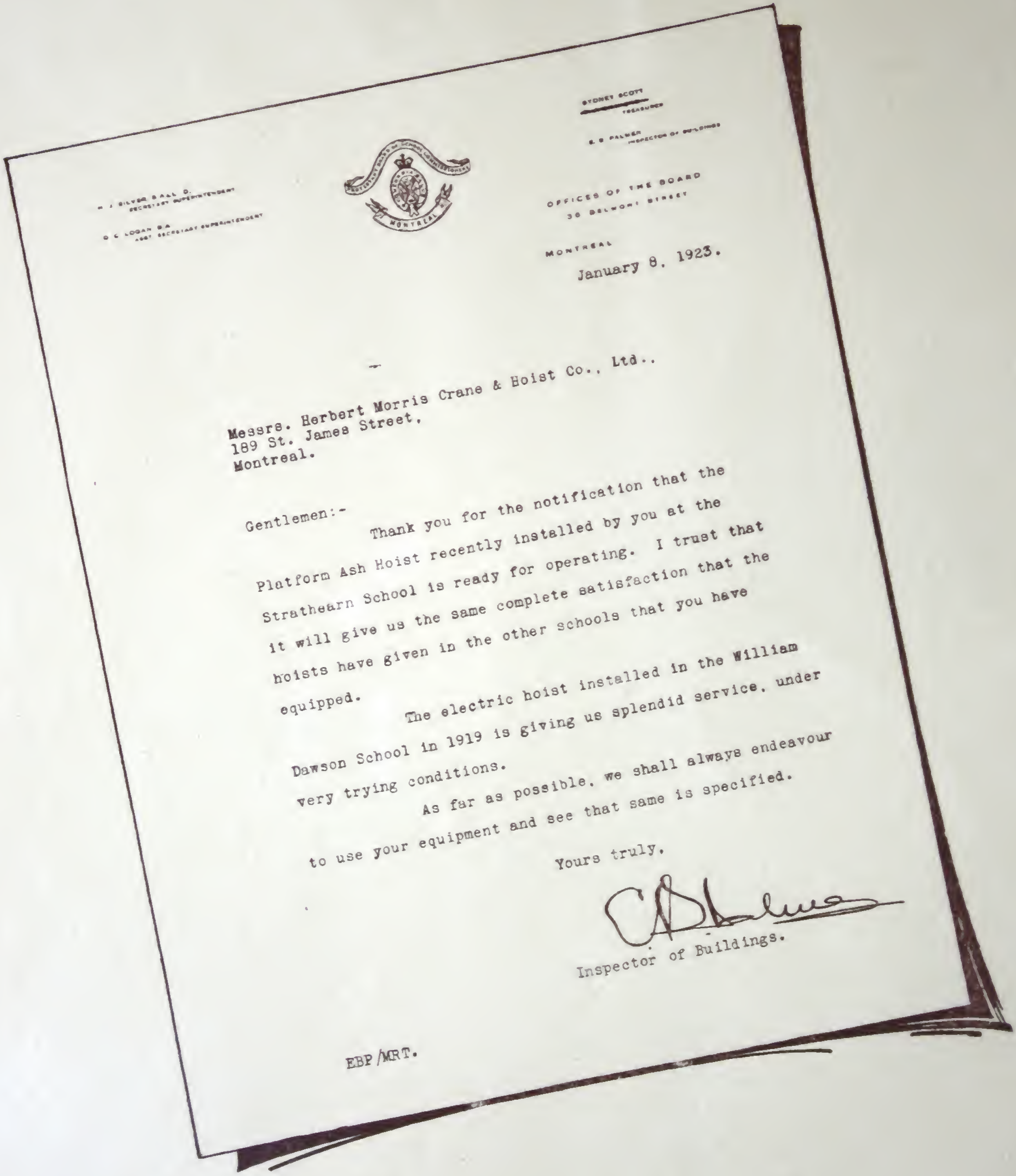
Morris ash hoists require less space in the basement or areaway. (We have installed them in shafts only 18 inches wide.)

Morris ash hoists save 25% or more of the usual installed cost of ash-handling equipment.

Plans and prices on request

HERBERT MORRIS INCORPORATED
BUFFALO, N. Y.

Ash removal in the far North is a real problem



W. J. SILVER B.A.L.D.
SECRETARY SUPERINTENDENT

O. C. LOGAN B.A.
ASST. SECRETARY SUPERINTENDENT

SYDNEY SCOTT
TREASURER

E. B. PALMER
INSPECTOR OF BUILDINGS

OFFICES OF THE BOARD
38 BELMONT STREET

MONTREAL

January 8, 1923.

Messrs. Herbert Morris Crane & Hoist Co., Ltd.,
189 St. James Street,
Montreal.

Gentlemen:-

Thank you for the notification that the Platform Ash Hoist recently installed by you at the Strathearn School is ready for operating. I trust that it will give us the same complete satisfaction that the hoists have given in the other schools that you have equipped.

The electric hoist installed in the William Dawson School in 1919 is giving us splendid service, under very trying conditions.

As far as possible, we shall always endeavour to use your equipment and see that same is specified.

Yours truly,

Inspector of Buildings.

EBP/MRT.

Most of the public buildings in Canada are equipped with Morris Ash Hoists

HERBERT MORRIS INCORPORATED

BUFFALO, N.Y.

Manufacturers of "MORRIS" Ash Hoists

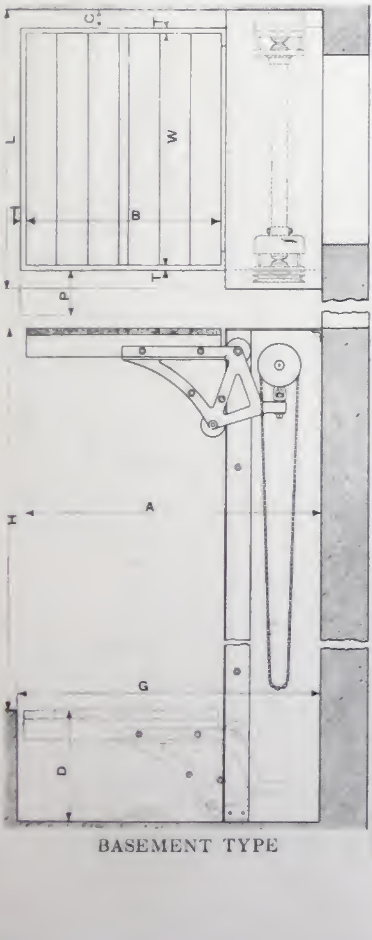
also Overhead Cranes, Jib Cranes, Chain Blocks, Trolleys and Runways for all industrial requirements.

IN CANADA: THE HERBERT MORRIS CRANE AND HOIST COMPANY, LIMITED, NIAGARA FALLS, ONTARIO

FOREWORD: Morris ash hoists give the greatest satisfaction because they embody four principles of design and construction which have been proven correct by long and strenuous service in the industrial field. These four principles distinguish Morris ash hoists from all others:

1. *The load is lifted on steel chain*, for the greatest strength and flexibility.
2. *The lifting effort is exerted vertically* in a straight line, not around a series of pulleys.
3. The operating effort is reduced to the easiest possible motion, one which can be maintained the longest without tiring the operator—*a straight pull on an endless hand-chain.*
4. *The load is automatically sustained* at any point, without dependence on the operator.

Morris ash hoists and accessories may be conveniently specified by using the headings which appear in **black face type.**



BASEMENT TYPE

Morris Basement Type Platform Ash Hoist with Twin Lift Chain Block

Capacity 1000 Pounds

This is the standard hoist for use inside the basement, raising four cans at a time to the level of a door or window.

A shallow pit permits the platform to lower level with the floor.

The dimensions given may be modified to meet existing conditions and either right-hand or left-hand operation supplied.

A	4'9"
B	3'2"
C	2½"
D	1'9"
G	4'10"
L	4'5"
P	1'6"
T	1"
W	3'10"

BASEMENT TYPE

When space is limited note that the platform lowers level with and forms part of the floor, the guide angles projecting only 18 inches from the wall.

A light hand-chain pull raises the platform. The automatic brake sustains the load at any point. Lowering practically by gravity.

For high lifts or severe service this hoist may be supplied with **motor driven gears.**

Principal Advantages:

Both sides of the platform are lifted simultaneously on heavy steel chains having a factor of safety of 20.

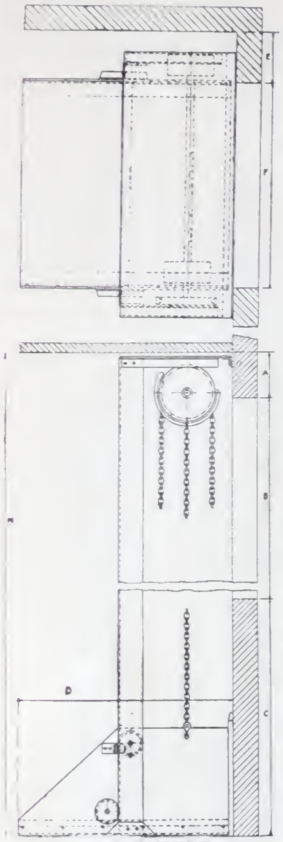
The platform cannot bind. It *rolls* on four large roller-bearing wheels.

The lifting gears are of the balanced planetary type, fully enclosed in a dust-proof case. Being mounted directly under the steel top plate and back of the platform, no floor space is used.

Installation is a very simple matter requiring not over half a day for two men. The mechanism is shipped almost completely assembled; four bolts hold it in place.

Morris Pitless Type Platform Ash Hoist with Twin Lift Chain Block

This type of hoist occupies the minimum basement space.



PITLESS TYPE
A=10" D=3'7" E=6"

The platform is placed *between* the guides and is supported by roller-bearing plate-steel brackets which permit it to lower within 2 inches from the floor. *No pit is required.* The hoist mechanism is placed above the door or window opening, a space of 10 inches being sufficient to keep the opening clear.

The hoist may be arranged for either right-hand or left-hand operation. Where there is a high lift or a large number of cans to be handled it is advisable to specify **motor driven gears.**

Morris Sidewalk Type Platform Ash Hoist with Twin Lift Chain Block and Morris Double Leaf Steel Doors

Under conditions which are particularly detrimental to wire rope and winch-operated platforms, the Morris hand-operated, platform hoist with fully enclosed planetary gears, heavy steel load chains, direct-line lift and roller bearing platform, gives service equalled only by the most expensive electric elevators.

The hoist mechanism is built integral with the heavy door frame. This feature of construction ensures perfect alignment between platform and doors, and reduces the work of installation. When the door frame has been placed in position all that remains to be done is (*a*) attach the twin lift chain block and the two guides, (*b*) plumb the guides and anchor them, (*c*) place the platform on the guides and connect the lifting chains.

The dimensions given are standard but can be modified to suit special conditions. Right-hand operation is regularly supplied unless left-hand is specified.

A pit is required the full size of the sidewalk opening and 1 foot 9 inches deep to permit the platform to lower level with the basement floor.

For strenuous service or an extra high lift **motor driven gears** may be specified.

Condensation Gutter and Drain

Incorporated with the door frame when water-tight doors are required.

Automatic Door Opening and Closing Device

The platform may be fitted with a steel bow which *automatically unlocks and opens* the doors as the platform rises, and *automatically closes and locks* them as the platform is lowered.

The doors may be arranged to open either parallel with or at right angles to the sidewalk.

Spring Guard Safety Gates

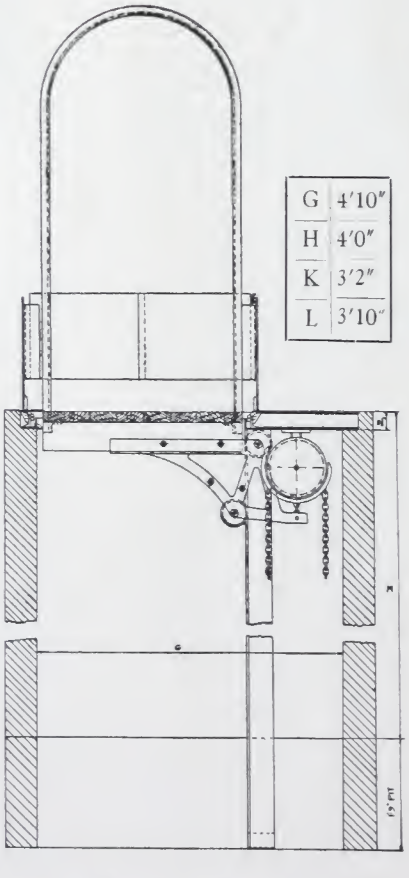
May be fitted at either or both open ends when the doors are operated automatically. They are arranged to open outward only, on strong spring hinges.

Other Applications

Morris Platform Hoists are in use for a great variety of purposes besides raising ashes. They may be installed either indoors or out, the enclosed gears being perfectly weather-proof. Any wall forms a suitable support and four bolts hold the hoist in place. The mechanism requires no more attention than an ordinary chain block and is almost as easy to install.

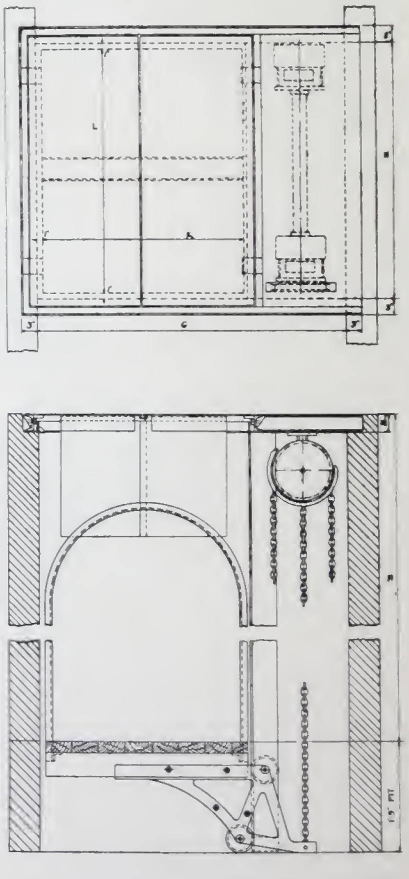
For such purposes as raising floor trucks to a loading platform, raising packages to a balcony, or outside the building, for lifting loads to the second floor level, Morris platform hoists are simple, economical and "fool-proof."

We are always ready to prepare layouts showing the application of any Morris hoists to special conditions.

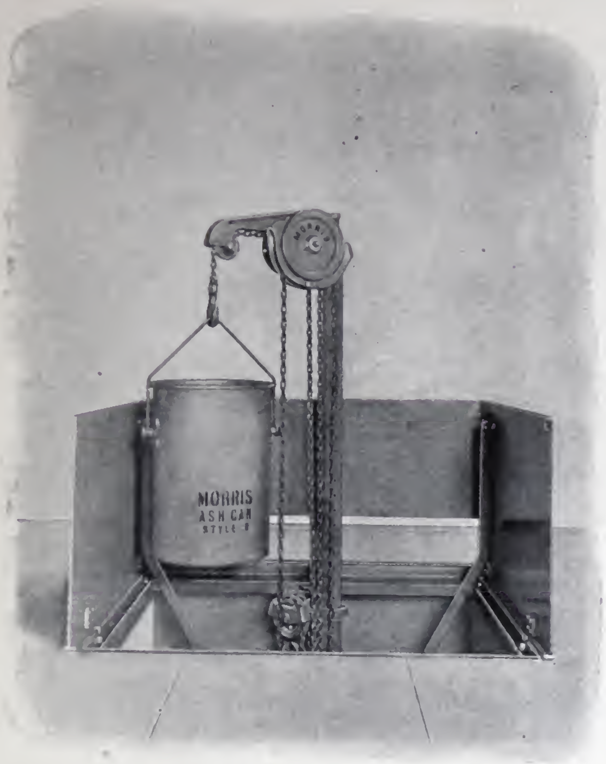


G	4'10"
H	4'0"
K	3'2"
L	3'10"

SIDEWALK TYPE (OPEN)



SIDEWALK TYPE (CLOSED)



WITH AUTOMATIC DOORS (OPEN)

Morris Telescopic Ash Hoist with High Speed Chain Block, to Lift Cans to Sidewalk Level (Alternative: **To Lift Cans to Wagon Height**)

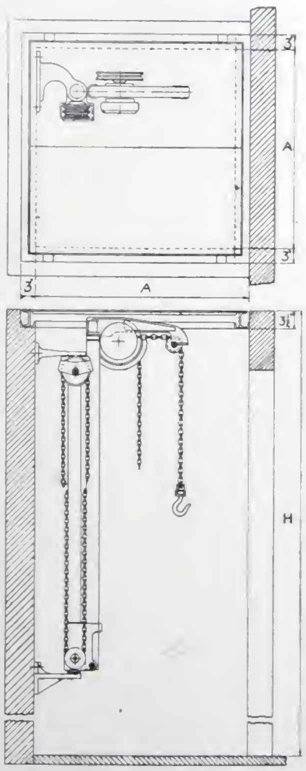
This hoist is simple, strong and easy to operate. A light hand-chain pull elevates the telescoping mast and locks it in position.

The hoisting head is a Morris high-speed triple-gear chain block of 560 pounds capacity with an automatic brake and enclosed planetary gears, built into a ball-bearing arm. A light hand-chain pull raises the average load at 30 feet per minute. Lowering is practically by gravity.

Principal Advantages:

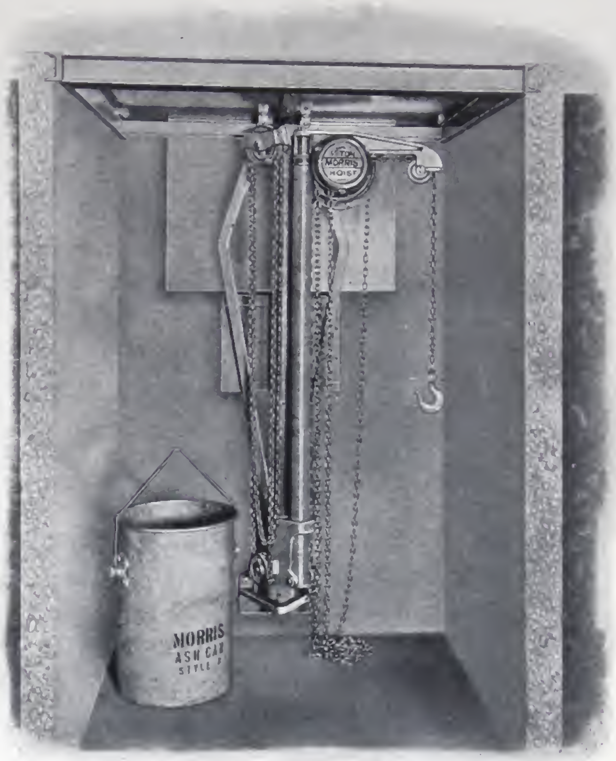
The hoist may be operated with equal convenience either from sidewalk level or basement floor.

It will operate satisfactorily in an areaway only 36 inches square (42 inches if furnished with automatic doors), saving on cost of excavation, concrete work and doors.



WITH PLAIN DOORS
Minimum opening A=3′0″

Two wall brackets support the hoist. No space is occupied on the areaway floor, which is left clear for the operator.

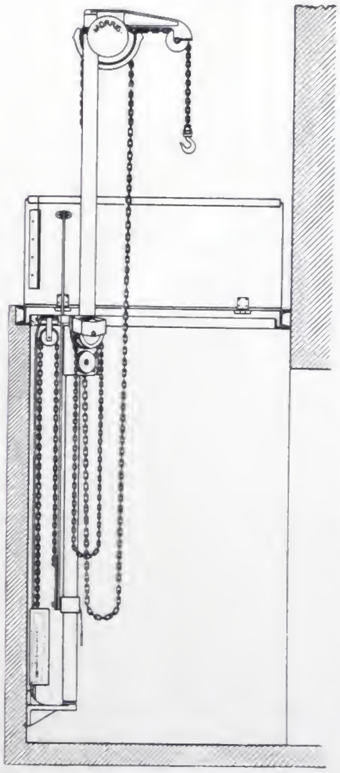


WITH AUTOMATIC DOORS (CLOSED)

Morris Double-Leaf Steel Sidewalk Doors

(See details of construction on next page.)

Condensation Gutter and Drain



WITH AUTOMATIC DOORS
Minimum opening A=3′6″

Built into the door frame when water-tight doors are required.

Automatic Door Opening and Closing Device

With this device no extra effort is required to operate the doors, which are perfectly counterbalanced. A heavy channel bridge built integral with the door frame replaces the top bracket and supports the hoist, door opening device and counterweight. The only wall connection is the bottom bracket (2 bolts). This feature of construction reduces installation cost and ensures *perfect and permanent alignment* of all working parts.

Spring Guard Gates

May be fitted when the doors are opened automatically.

Electric Warning Gong

Mounted within the counter-weight, an extra loud 5-inch gong actuated by dry cells, rings continuously while the doors are being opened or closed and until their movement is properly completed. No wiring—no extra time required to install.

Morris Window Ash Hoist with Chain Block

This is the simplest Morris ash hoist, yet it has all those features which distinguish our other models for safety and ease of operation. The platform has roller bearings. It is lifted on a strong steel chain and sustained at any point by an automatic brake.

The mast turns freely on self-aligning top and bottom bearings. A touch swings the platform out through the window, which may be flush with the ceiling and only high enough to pass an ash can.

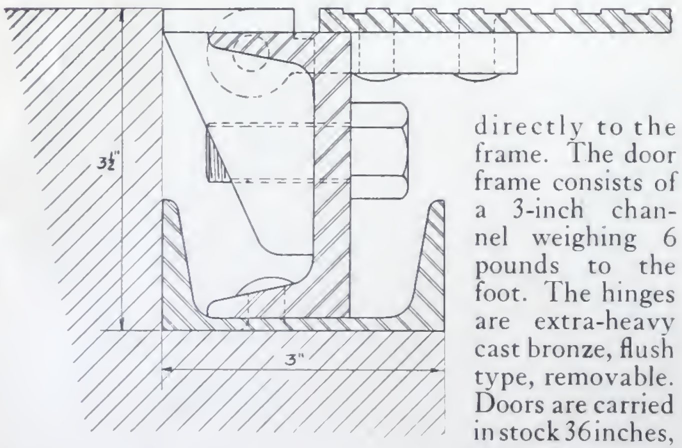
The capacity is 280 pounds and the lifting speed 30 feet per minute.

The chain block is a standard Morris high speed hoist. It can be readily unhooked from the mast and used for miscellaneous lifting purposes.

WINDOW TYPE

Morris Double-Leaf Steel Sidewalk Doors

These are made of heavy checkered steel plates so mounted that the weight on the doors is carried directly to the frame. The door frame consists of a 3-inch channel weighing 6 pounds to the foot. The hinges are extra-heavy cast bronze, flush type, removable. Doors are carried in stock 36 inches, 42 inches and 48 inches square, inside measure. Other sizes made to order.



Condensation Gutter and Drain

When doors are required to be water-tight a welded channel gutter, with a ¾-inch drain elbow is built integral with the door frame.

Morris Steel Ladder with Safety Non-Slip Treads

Much of the operator's time is saved by providing a safe and convenient means of access between basement and sidewalk. The rungs are specially formed to prevent slipping.

Morris Seamless Ash Cans Drawn from 12-gage Steel

These cans are drawn from a single piece of steel. The bottoms retain the full thickness of the plate, the sides are reduced to not less than 16 gage. There are no rivets, no seams, no sharp corners. Handles or trunnions are cast steel, brazed on. These cans will outlast dozens of the riveted kind and never look dilapidated. Size inside, 16 x 24 inches. Weight, 45 pounds. **Style A,** with side handles. **Style B,** with bail which stays put. (When Style A cans are used, a **Morris Ash Can Bail** is required, as illustrated.)

STYLE A CAN

STYLE B CAN

Morris Roller-Bearing Ash Can Truck

This truck is adjustable for any size ash can. It grips the can by the top rim, lifting it directly off the floor, without preliminary tilting. The frame is tubular, galvanized. The wheels are 10 inches in diameter and fitted with roller bearings. Weight 35 pounds.

Special Ash Handling Equipment.

Where the conditions require types of equipment not illustrated, we are frequently able to offer modifications of standard Morris hoists, runways, or cranes. We are always glad to prepare a complete plan on receipt of particulars of the problem. This service entails no obligation whatever.

Catalogs of our other products will be mailed to anyone interested.

Meets all municipal requirements

"In accordance with your request, an examination has been made of the Morris disappearing-type ash hoist installed by you in front of the premises at the northwest corner of Lexington Avenue and ____th St.

"Same has been found to fulfill the requirements of this office, and is therefore approved."

Commissioner of Public Works
City of New York, Borough of Manhattan

Simple to install

"I wish to tell you at this time that we have been very much pleased with your wagon-height, telescopic ash hoist, which was very easy to install and has proved to be very satisfactory in operation. I think I did very well in buying this hoist from you at $____, rather than one of another firm at $____.

"Your ash cans are unusually strong and well made and your ash can truck enables a person to handle a heavily-loaded can easily with one hand."

(*Owner*)

Easily operated by a woman

"On July 1st, Mr. Folsom, Mrs. Nelson (the janitor's wife) and the writer inspected the Morris ash hoist at _________, and in Mrs. Nelson's hands the apparatus worked very satisfactorily indeed. The ash hoist as now in and operating appears to the architect as a simple, fool-proof piece of machinery and installed by you at a reasonable price, and I believe will carry no burden of maintenance upon the owner save for oil and battery renewals.

"I find the apparatus all I deemed it might be, will be glad to specify it, to use it and recommend it."

(*Architect*)